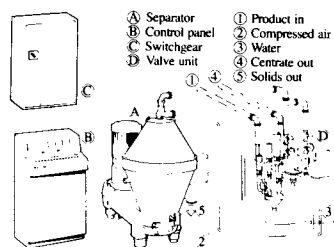
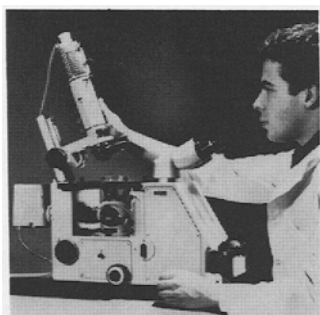


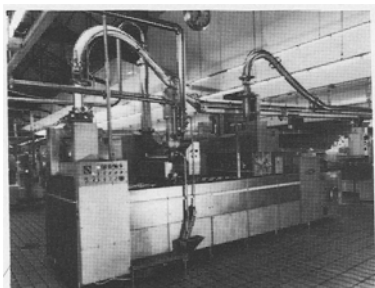
New Products



• DeLaval has introduced its Centennial Series AX213 Centrifugal Separator which can separate particles as small as 0.5 microns at industrially practical capacities, the firm says. Operating costs are half those of filters handling the same work. A new innovation in solids discharge permits ejection through pneumatically operated valves in a patented bowl or separation chamber, using a new type of steel. Information: DeLaval Separator Company, Poughkeepsie, NY 12602.



• Zeiss is marketing new inverted microscopes IM 35 with automatic integrated 35 mm camera system and ICM 405 for fully automatic photomicrography on 35 mm of 4 x 5 in. format. The instruments include a swing-back illuminator carrier that instantly clears the entire stage area to speed up the exchange of vessels, petri dishes, and flasks. Information: Carl Zeiss Inc., 444 Fifth Ave., New York, NY 10018.

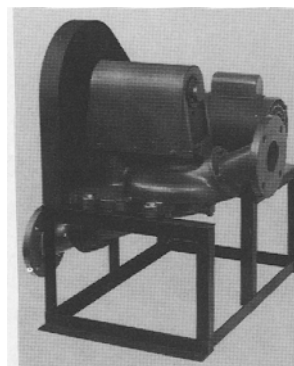


• Benz & Hilgers GmbH, manufacturers of Benhil packing equipment, is promoting several items in its new line of packaging equipment including: (1) Its 8212 multi-lane filling machine which can handle more than 7 tons of product per hour with 500-gram tubs; (2) Types 8215 and 8216 twin-type units for liquid, semi-liquid, and pasty products; (3) Type 8382/8529 high speed unit for butter and edible fats products handling packages from 25 to 500 grams and more than 130 packets per minute; (4)

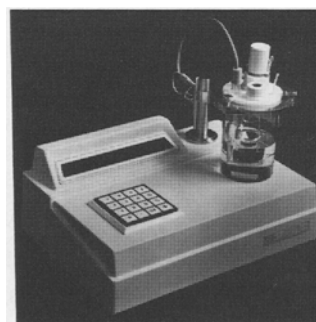
BPM Mark VI packer with all main elements running in oil with central lubrication which can produce more than 140 packets per minute of 50 to 500 grams each, with end flap fold. Information: Benz & Hilgers GmbH, Postfach 320180, D 4000 Dusseldorf 30, West Germany.



• Varian's new superconducting high performance spectrometer offers exceptional operating ease, low maintenance, and a versatile NMR data system, the firm says. The XL-200 is equipped with a wide-bore 47-kG superconducting magnet for high resolution studies of ^1H at 200 MHz and ^{13}C at 50.3 MHz. Information: Robert Sheldon, Varian Instrument Division, Varian Associates, Box D-421, 611 Hansen Way, Palo Alto, CA 94303.



• Pacer Pumps has introduced its Dualdisc induced flow pump for handling clear liquids or solids in suspension to one-half inch, with a 3 in. suction and 3 in. discharge. Information: Pacer, 7 Peters Rd., PO Box 135-A, New Holland, PA 17557.



• Photovolt has introduced its Aquatest IV, a moisture analyzer with microprocessor control. The unit displays water content in percentages, parts per million, or



micrograms directly on an LED digital display. Information: Photovolt Corp., 1115 Broadway, New York, NY 10010.

- Pope's third generation Lab Monitor III can perform a variety of lab operations. Attached to a thermometer, manometer, or liquid level sight glass, the device will turn on and off a variety of external devices including heaters, solenoid valves, and refluxing equipment. Information: Whitney Nichols, Pope Scientific Inc., PO Box 495, N90 W14337 Commerce Drive, Menomonee Falls, WI 53051.

- Liquid Level Electronics has introduced its PT Series of pneumatic level controls featuring magnetic couplings to ensure leakproof operation. Output on the PT-265 is 3 to 15 psi with a 20 psi supply; output on the PT476 is 30 psi minimum to 60 psi maximum supply pressure. Information: Liquid Level Electronics Inc., PO Drawer 788, Porter, TX 77365.

- Chem-San International is designing systems capable of continuous filtration at flow rates from 50 to 2,000 gallons per minute, trapping suspended solids down to submicron size in a pre-coated filter cake. The system uses Chem-San's patented flex-tube filter element. Information: Chem-San International, 19 Gardner Rd., Fairfield, NJ 07006.

- Funda-Filter's line has been expanded to include the Funda Candle Filter which includes two basic series, the Funda Bag and the Fund Polygon. The design lends itself to highly corrosive process streams as well as to high temperature applications; cake can be discharged dry or as a slurry. Information: Chemapec Inc., 230 Crossways Park Drive, Woodbury, NY 11797.

- Kontes is offering a line of reverse-phase and high performance TLC plates. The reverse-phase C₁₈ plates include fine tunable solvent systems, high loading capacity, high speed, excellent resolution, and close correlation with HPLC reverse-phase columns. The HPTLC plates offer separation of nanogram and picogram quantities, great number of samples per plate with excellent resolution, and high efficiency. Information: Kontes, Spruce Street, Vineland, NJ 08360.

- Schott & Gen. Inc. has introduced the AVS/D into its line of automated viscometers. The AVS/D offers accurate measurement of dark opaque substances with high solid content, including paint and lacquer, that leave opaque films on interior capillary surfaces, requiring use of a reverse flow viscometer. Information: Wolfgang Weber, Schott & Gen. Inc., 11 E. 26th St., New York, NY 10010.

- Columbus Instruments is offering a multichannel drinking monitor that can record eating or drinking habits of up to 16 animals. The monitor uses a milk electrical current, completely unnoticed by the animals. One electrode is a water dispenser and the second is a metal grid on which the animal stands. Information: Dr. J. Czekajewski, Columbus Instruments, 950 N. Hague Ave., Columbus, OH 43204.

- Seitz Filters Model ST-120 filters, of stainless steel, are available with spindle extensions that permit addition of

more inlet and outlet rings. Information: Seitz Filters, PO Box 538, Milldale, CT 06467.

- Perkin-Elmer has announced its System 4 micro-processor controller for thermal analysis. The system allows users to create, store, and recall complete program methods for the firm's TGS-2 Thermogravimetric System and TMS-2 Thermomechanical System. System 4 includes three built-in programs, including an automated temperature calibration routine. Information: Perkin-Elmer Corp., Instrument Division, Main Avenue, Norwalk, CT 06856.

- Chem-Tech's Series 400 Chemical Pumps are positive displacement piston pumps that can be adjusted for required metering without shutting down. The pumps are available with piston diameters from ¼ in. to 1½ in., discharge pressures from 250 to 1,000 psi, and outputs from ½ to 120 gph. Information: Chem-Tech International, Merrimack and S. Union Sts., Lawrence, MA 01843.

- Devcon Corp. is marketing its new "Plastic Steel" coating, a steel-filled epoxy used to repair damaged metal parts, castings, and equipment without welding. It bonds to iron, steel, aluminum, and most other metals, curing to a durable metallic material that can be drilled, tapped, or grouped with regular metalworking equipment. Information: Richard Williams, Devon Corp., Endicott St., Danvers, MA 01923.

- Lewis Corp. is introducing its Reverberatory Ultrasonic Mixer (RUM) which mixes, deagglomerates, defloculates, homogenizes, emulsifies, stabilizes, thickens, or leaches low and submicron particles in fluids in the presence of surface-active agents. Information: Lewis Corp., Main Street, Woodbury, CT 06798.

- Edwards High Vacuum Inc. has added a line of Cryo-cooled models to their Diffstak series of pumps. The Cryo-cooled versions are used when rapid pumping of condensable vapors is required. The pumps may be equipped for manual or pneumatic operation. Information: Edwards High Vacuum Inc., 3279 Grand Island Blvd., Grand Island, NY 14072.

- Neptune Mixer is offering custom stainless steel tanks in 50 to 1500 gallon capacities. Available accessories include level gauges, mixer rails, hinged covers, or other modifications. Information: Neptune Mixer Co., PO Box 247, Lansdale, PA 19446.

- Groen's newest steam-jacketed cooker mixer, Groen Model D/INA/2 tilting agitator kettle, is designed for chemical, pharmaceutical, and cosmetic products as well as food products. Information: Groen Division, Dover Corp., 1900 Pratt Blvd., Elk Grove, IL 60007.

- Thermoplastic Scientifics is producing translucent, flexible Bev-a-line IV and VHT lines tubings for use in applications requiring extraordinary chemical resistance in a high purity tubing system. Linear contact surfaces meet FDA, USDA, USP, and National Formular standards. Information: Thermoplastic Scientifics, 57 Stirling Rd., Warren, NJ 07060.